

100-1201-59
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18 February 1959

MEMORANDUM FOR THE RECORD

SUBJECT : Report of trip to HRB State College, Pa. on 12-13 Feb. 1959.

1. A trip was made to HRB for the purpose of determining the status of System VII and the extent of any problems encountered.
2. HRB is still promising delivery of the system on 2 March and from all indications this date will be met. All engineering problems have been solved and the remaining work consists principally of assembly of components and cabling and interconnecting all units on the "A" frame.
3. The problem of adding a second recorder to the system was resolved during this visit. By rearranging the layout of a number of units on the "A" frame, space was found in which to locate the second recorder and capstan power supply. With the exception of the capstan power supply, all other electronics will be automatically switched from one recorder to the other when the tape supply is exhausted on the first recorder. The addition of the second recorder will provide for a total of 24 minutes recording time as opposed to the original 12 minutes.
4. System sensitivity is running at about the level as originally estimated, i.e. -103 dbm for recorder turn-on and approximately -95 dbm for good solid breakout. In an excessively noisy electrical environment, these figures would be degraded accordingly. It is hoped that the current noise reduction program will reduce the noise level to an acceptable value.
5. As of this date the system will be ready for delivery at HRB on 2 March. By the end of the second week in March the system should have been delivered to Edwards and thoroughly bench-checked, ready for installation in the aircraft. The date of installation hinges on the progress of the noise reduction program, but assuming all goes well, the system should be ready for flight test late in March.

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2. - Trip Report

3. - Chrono

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